ELSEVIER

Available online at www.sciencedirect.com

SCIENCE DIRECT®

Journal of Marine Systems 43 (2003) 169

JOURNAL OF MARINE SYSTEMS

www.elsevier.com/locate/jmarsys

Contents Vol. 43, 2003

Research Papers

Population substructure of North Atlantic minke whales (*Balaenoptera acutorostrata*) inferred from regional variation of elemental and stable isotopic signatures in tissues
E.W. Born, P. Outridge, F.F. Riget, K.A. Hobson, R. Dietz, N. Øien and T. Haug 1

Thermal regime of the Aral Sea in the modern period (1982–2000) as revealed by satellite data
A.I. Ginzburg, A.G. Kostianoy and N.A. Sheremet 19

Sequential weak constraint parameter estimation in an ecosystem model
S.N. Losa, G.A. Kivman, J. Schröter and M. Wenzel 31

Fine-scale variability in phytoplankton community structure and inherent optical properties measured from an autonomous underwater vehicle
A. Cunningham, D. McKee, S. Craig, G. Tarran and C. Widdicombe 51

Numerical modelling of the thermal bar and its ecological consequences in a river-dominated lake
P.R. Holland, A. Kay and V. Botte 61

Book reviews

Marine mammals biology and conservation
K. Das 83

Large Marine Ecosystems of the North Atlantic: Changing states and sustainability
É.J.M. Delhez 85

Research Papers

Sources of uncertainty in ichthyoplankton surveys: modeling the influence of wind forcing and survey strategy on abundance estimates
R. Voss and H.-H. Hinrichsen 87

Evolution of the open-sea eddy ALGERS'98 in the Algerian Basin with Lagrangian trajectories and remote sensing observations
J. de Jesús Salas Pérez 105

Biological effects of Mississippi River nitrogen on the northern gulf of Mexico—a review and synthesis
M.J. Dagg and G.A. Breed 133

Observations on colony formation by the cosmopolitan phytoplankton genus *Phaeocystis*
P.G. Verity and L.K. Medlin 153

Author Index Vol. 43, 2003 165

Keyword Index Vol. 43, 2003 167

Contents Vol. 43, 2003 169

doi:10.1016/S0924-7963(03)00148-9